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1652

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Ken-ichi Nakayama et al.      Art Unit : 1652  
Serial No. : 10/089,014      Examiner : Manjunath N. Rao  
Filed : March 25, 2002  
Title : GDP-4-KETO-6-DEOXY-D-MANNOSE-3, 5-EPIMERASE-4-REDUCTASE  
GENE DERIVED FROM ARABIDOPSIS THALIANA

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449. A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

This statement is being filed after a first Office action on the merits, but before receipt of a final Office action or a Notice of Allowance. I, the undersigned, hereby certify that each item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application, the communication being dated April 13, 2004, which is not more than three months prior to the filing of this statement. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: \_\_\_\_\_

5/27/04

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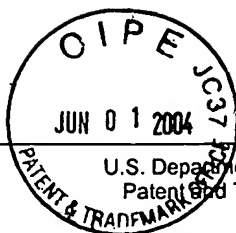
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| Substitute Form PTO-1449<br>(Modified)<br><br><b>Information Disclosure Statement<br/>by Applicant</b><br>(Use several sheets if necessary)<br><br>(37 CFR §1.98(b)) | U.S. Department of Commerce<br>Patent and Trademark Office | Attorney's Docket No.<br>11283-019US1 | Application No.<br>10/089,014 |
|  | Applicant<br>Ken-ichi Nakayama et al.                      |                                       |                               |
|  | Filing Date<br>March 25, 2002                              | Group Art Unit<br>1652                |                               |

| U.S. Patent Documents |           |                 |                  |          |       |          |                            |
|-----------------------|-----------|-----------------|------------------|----------|-------|----------|----------------------------|
| Examiner Initial      | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
|                       | AA        |                 |                  |          |       |          |                            |
|                       | AB        |                 |                  |          |       |          |                            |
|                       | AC        |                 |                  |          |       |          |                            |
|                       | AD        |                 |                  |          |       |          |                            |
|                       | AE        |                 |                  |          |       |          |                            |
|                       | AF        |                 |                  |          |       |          |                            |
|                       | AG        |                 |                  |          |       |          |                            |
|                       | AH        |                 |                  |          |       |          |                            |
|                       | AI        |                 |                  |          |       |          |                            |
|                       | AJ        |                 |                  |          |       |          |                            |
|                       | AK        |                 |                  |          |       |          |                            |

| Foreign Patent Documents or Published Foreign Patent Applications |           |                 |                  |                          |       |          |             |    |
|---|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
| Examiner Initial  | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation |    |
|   |           |                 |                  |                          |       |          | Yes         | No |
|   | AL        | EP 0 870 841 A  | 10/14/1998       | EPO                      |       |          |             |    |
|   | AM        | WO 99 36555 A   | 07/22/1999       | WIPO                     |       |          |             |    |
|   | AN        |                 |                  |                          |       |          |             |    |
|   | AO        |                 |                  |                          |       |          |             |    |
|   | AP        |                 |                  |                          |       |          |             |    |

| Other Documents (include Author, Title, Date, and Place of Publication) |           |  |
|---|-----------|--|
| Examiner Initial  | Desig. ID | Document   |
|   | AQ        | Abstract – Bonin et al., (1998) “Arabidopsis thaliana GDP-4-keto-6-deoxy-D-mannose-3,5-epimerase-4-reductase (GERI) gene, complete cds.” Database accession no. AF045286 XP002176506   |
|   | AR        | Bonin et al. (1997) “The MUR1 gene of Arabidopsis thaliana encodes an isoform of GDP –D-mannose-4,6-dehydratase, catalyzing the first step in the de novo synthesis of GDP-L-fucose” Proc. Natl. Acad. Sci . USA 94(5):2085-2090 |
|   | AS        |  |
|   | AT        |  |

|                    |                 |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.